

# SOS Explorer Equipment



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There are several parts and pieces that make up SOS Explorer. It is the responsibility of each site to procure their own hardware based on the recommendations from the SOS Explorer team. We have tested out a variety of system components to determine the specs required for a functioning SOS Explorer™ system. Requirements vary based on the desired use and set-up.

## Equipment for Classrooms - Single Screen Set-up

### Computer and Graphics Card

A variety of Windows desktops and laptops will successfully run SOS Explorer™. Contact the [SOS Explorer Team](#) to discuss your set-up and what will work best for your purposes.

### Large Display

The type and size of the large display is up to you! Either a large television or a projector can be used. 4K Ultra HD resolution is recommended, but not required. In the single screen set-up, the mouse and keyboard are used to control the software, so an additional touchscreen is not required.

### Cables

You will need a cable to connect the computer to your large display. In most cases this will be an HDMI or DVI cable.

## Equipment for Exhibits - Dual Screen Set-up

For the dual screen set-up, you will need everything you need for a single screen set-up, plus an additional touchscreen and the cabling required to connect everything.

### Computer and Graphics Card

A variety of Windows desktops and laptops will successfully run SOS Explorer™ in a dual screen mode. The graphics requirements for dual screen mode are higher, so a more powerful computer and graphics card are needed compared to the single screen mode. Contact the [SOS Explorer Team](#) to discuss your set-up and what will work best for your purposes.

### Large Display

The type and size of the large display is up to you! Either a large television or a projector can be used. 4K Ultra HD resolution is recommended, but not required.

### Touchscreen

The type and size of the touchscreen is up to you! It can be part of a kiosk that houses the computer as well, or simply mounted on a table or to the floor. A touchscreen rated for public use is recommended for high traffic settings such as museums. For mounting to a table or the floor, we recommend this one: [ELO 22" Touchscreen](#) (model 2201L version E497002) and for use in a kiosk, we recommend this one: [ELO 22" Open Frame Touchscreen](#).

### Cables and Wiring Diagram

A collection of cables will need to be ordered for the set-up the SOSx exhibit. A simple wiring diagram for the dual screen set-up is available [here](#) to show how the above parts connect and the cables that are required. Make sure to order the appropriate length based on the layout of your space. If the DVI cable becomes too long, a DVI extender will also be needed. Consult with the SOSx team on any questions you have.

## Acquiring SOS Explorer

The process for acquiring SOS Explorer is straightforward and begins with contacting [John Schneider](#), the SOS Program Manager. From first contact with NOAA to final installation, the process takes several months, so be sure to plan ahead. SOSx Lite is available for download now and provides a small preview of what's available in SOSx!